

**KENTON**

***D-SYNC***

**Bi-directional MIDI to DIN Sync Converter**

5V DC IN ONLY

**KENTON**

[www.kenton.co.uk](http://www.kenton.co.uk)

**D-SYNC**

**BI-DIRECTIONAL MIDI TO DIN SYNC CONVERTER**

MADE IN THE UK

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MIDI IN      MIDI OUT      SYNC IN      SYNC OUT

CE

***Operating Manual***

## Introduction

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The D-Sync has a MIDI IN and a MIDI OUT for connecting to your MIDI devices. The D-Sync has an opto-coupled MIDI IN for optimum performance.

The D-Sync also has both a DIN Sync Input and a DIN Sync Output for connecting to your sequencer and/or drum machine etc.

The D-Sync is powered by a multi-region mains adaptor (supplied), so it doesn't need periodic battery changes to keep it working, enabling you to "fit and forget". If required, you can also power D-Sync from a USB port of your computer or USB Hub.

## Connecting

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Plug the large plug end of the supplied USB lead into the supplied 5V power adaptor and the other end into the D-Sync. Ensure the power adaptor is plugged in to the mains and that the Status LED on the D-Sync is on (steady green for Sync24 or steady red for Sync48).

### **To convert MIDI to DIN Sync**

Connect the MIDI output of your keyboard(s) and/or computer to the MIDI Input of the D-SYNC and connect the SYNC Out port of the D-Sync to the DIN-SYNC input of the device you want to control.

### **To convert DIN Sync to MIDI**

Connect the DIN SYNC output of your sequencer and/or drum machine etc. to the SYNC Input of the D-Sync and connect the MIDI Out port of the D-Sync to the MIDI input of the device you want to control.

D-Sync can convert in both directions at the same time.

The USB connector is used for power ONLY. D-Sync is not a USB MIDI device.

## Status LED

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The LED will show steady green (or red in sync48 mode) when power is applied and will flash yellow to indicate when MIDI or DIN Sync messages are being received.

## Configuration and Firmware

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The D-Sync can be configured using the D-Sync Configuration Manager app at <https://kenton.co.uk/support/apps/>. You can also check and update the firmware with this app.

The following options can be set:

### **MIDI THRU mode**

By default, MIDI OUT only carries Sync data that has been converted after arriving at SYNC IN. MIDI OUT can however be configured as a soft THRU, so it will merge the converted sync with the MIDI received at the MIDI IN port

### **Continue = Start**

By default, a MIDI Continue message is always treated as a Start. This can be changed so that a MIDI Continue is only treated as a Start preceded by a Song Position Pointer = 0 message.

### **Sync 24/48**

By default, D- Sync converts to and from Sync 24. This can be changed to Sync 48

## Specifications

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Power Input:	USB Mini-B socket (used for power only)
Power:	5V DC regulated @ 50mA
MIDI ports	1 x In, 1 x Out (5 pin DIN sockets)
SYNC ports	1 x In, 1 x Out (5 pin DIN sockets)
Weight:	150g (excluding power supply)
Dimensions	110 x 55 x 35 mm
Power supply:	Multi-region switch mode power supply supplied with unit.

## Warranty

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The D-Sync comes with a 12 month (from purchase date) back to base warranty, (i.e. customer must arrange and pay for carriage to and from Kenton Electronics).

## **FCC STATEMENT FOR USB Solo:**

(applies to the United States and its territories)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **WEEE DIRECTIVE:**

(applies to the European Union & other European countries with separate collection systems)

The crossed-out wheelee bin symbol affixed to this product indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or to human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable re-use of material resources.

Household users should contact either the retailer where they purchased the product, or their local government office for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## **EU PRODUCT SAFETY REPRESENTATIVES:**

(applies to the European Union & Northern Ireland)

Manufacturer:

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Firmware rev 1003 onwards

e. & o. e. © 10<sup>th</sup> April 2026